



Above Ground Swimming Pools

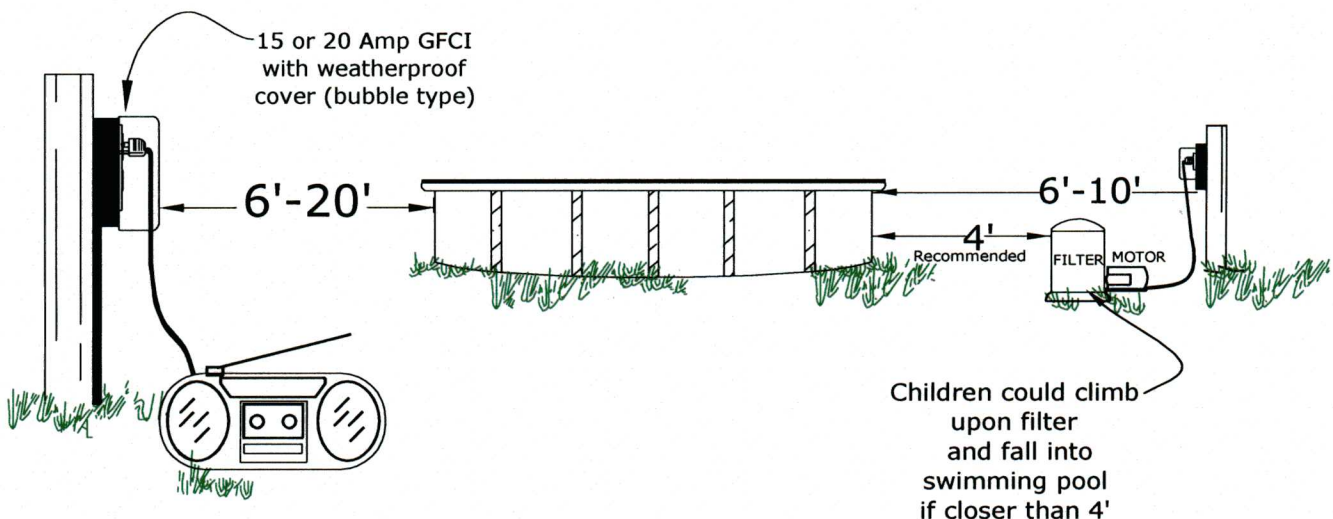
Any structure intended for swimming or recreation bathing that is capable of holding water 24" or more in depth, including inground, aboveground and on ground swimming pools, hot tubs and spas shall comply with the following: :

Receptacles for water pump motor or related to circulation (required)

- 6ft-10ft from inside wall of pool.
- 20 amp -12AWG
- GFCI protected, single twist lock, weatherproof device box with in-use cover.
- 3ft maximum cord length.
- It is recommended that the pump be no closer than 4' from pool .

Receptacles for general purpose (one required)

- 15 or 20 amp GFCI weatherproof device box with in-use cover.
- 6ft-20ft measured from inside wall of pool.



Wiring

- All wiring to the receptacles shall be buried underground and shall extend 5' horizontally from the inside wall of the pool with a minimum depth measured from the top of conduit for the following types:

- 6" rigid metal conduit
- 6" intermediate metal conduit
- 18" nonmetallic conduit (pvc)

- Metal conduit shall be corrosion resistant and suitable for the location.
- Conductors inside of conduits shall be insulated:
 - #12 awg for 20 amp (120V) and rated for wet locations
 - black (or approved color); white and green

No Underground feeder cable (UF) may be used for motor branch circuits.

Bonding **VOLTAGE**

This means that you must join all metallic parts to form an electrically conductive path that will ensure electrical continuity to safely guard against any electrical current that may likely be imposed.

- Use #8 AWG solid, covered or bare copper wire or larger, from the wire lug on the motor and all metal parts relating to the pool circulating system, to a metal pool upright and to any other metal within 5' of the pool.
 - *See note below.
- The pool water shall be bonded by a conductive surface area of 9 square inches. (example: model #E325037 Pool water bonder II)
<http://www.waterbonder.com/>

***If** pool pump motor is double insulated it shall not be bonded to this motor but instead shall be connected to the pool pump motor receptacle equipment grounding conductor (green).

Note:

A solid #8 (green insulated or bare) copper conductor of sufficient length shall be provided to make a connection to a replacement motor if the motor is not double insulated.

